

Storm Data and Unusual Weather Phenomena - March 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Northeast				
(IA-Z018) FLOYD				
	03/04/10 05:00 CST		0.35M	Dense Fog
	03/04/10 08:30 CST		0	
<p>A brief three hour period of dense fog occurred across portions of Mitchell, Floyd and Chickasaw counties during the morning of March 4th. The fog brought visibilities down to near zero from around 5:30 a.m. until approximately 8:00 a.m., before improving. At 7:15 a.m., two semi-trucks collided at the intersection of county road T38 and Highway 18 between Floyd and Rudd (Floyd county). One of the semi-trucks was carrying 76 head of cattle. Twenty-five of the 76 calves were killed in the accident or were put down at the scene, while the rest were taken to a rendering facility to be put down. One of the semi-truck drivers was treated and released for injuries (indirect). Approximately 400 gallons of fuel were spilled on the ground, and the highway was closed for 4 hours as a result of the accident. The total damage of the accident was estimated at \$350,000, with \$55,000 of that value being from the loss of the cattle.</p>				
(IA-Z010) WINNESHIEK, (IA-Z018) FLOYD, (IA-Z029) FAYETTE				
	03/08/10 01:30 CST		0	Dense Fog
	03/11/10 01:15 CST		0	
<p>Fog was observed across much of northeast Iowa from the morning of March 8th through around noon on March 11th. Fog was nearly continuous through these four days with visibilities staying mainly below a mile. There were periods when dense fog, with visibilities of zero to a quarter mile, was observed.</p> <p>No accidents or damage were recorded during this extended period of fog.</p>				
CHICKASAW COUNTY --- 5.1 NNW DEERFIELD [43.21, -92.55], 5.1 E SAUDE [43.21, -92.08], 7.4 SE FREDRICKSBURG [42.91, -92.08], 1.2 SE HORN FLD ARPT [42.91, -92.55]				
	03/10/10 16:00 CST		7K	Flood (due to Heavy Rain / Snow Melt)
	03/13/10 04:30 CST	1	0	Source: Emergency Manager
<p>A 13-year old girl was swept into a flooded creek in rural Alta Vista when cutting across a field after being dropped off a school bus. She was swept into and through a culvert before escaping. She was treated for hypothermia (direct injury) and released.</p> <p>In addition, 15 roads were closed or washed out across the county. Some of this damage was due to water running over roads as culverts were frozen shut or plugged with ice.</p> <p>Other minor flooding of low lying areas and small streams and creeks was reported across the county from the evening of March 10th through the early morning of March 13th.</p>				
FAYETTE COUNTY --- 3.1 WNW WAUCOMA [43.09, -92.09], 6.6 NNE CLERMONT [43.08, -91.61], 8.0 SSE ARLINGTON [42.64, -91.61], 1.8 WNW FAIRBANK [42.64, -92.08]				
	03/10/10 20:00 CST		2K	Flood (due to Heavy Rain / Snow Melt)
	03/13/10 04:30 CST		0	Source: Law Enforcement
<p>Minor flooding of low lying areas, as well as along small streams and creeks, was reported across portions of Fayette county from the evening of March 10th through early morning on March 13th. Also, some secondary roads were reported to have been underwater or have minor damage due to running water.</p>				
FLOYD COUNTY --- 4.5 NNW NORA SPGS [43.21, -93.02], 5.5 NE COLWELL [43.21, -92.55], 7.5 ESE POWERSVILLE [42.91, -92.55], 4.5 SSW KNOOP ARPT [42.91, -93.03]				
	03/10/10 20:00 CST		3K	Flood (due to Heavy Rain / Snow Melt)
	03/13/10 04:30 CST		0	Source: Law Enforcement
<p>Minor flooding of low lying areas, as well as along small streams and creeks, was reported across portions of Floyd county from the evening of March 10th through early morning on March 13th. Also, some secondary roads were reported to have been underwater or have minor damage due to running water.</p>				
CLAYTON COUNTY --- 0.3 NW LITTLEPORT [42.75, -91.38], 0.3 N LITTLEPORT [42.75, -91.37], 0.3 NNE LITTLEPORT [42.75, -91.37], 0.5 NE LITTLEPORT [42.76, -91.36], 0.5 NE LITTLEPORT [42.75, -91.36], 0.3 N LITTLEPORT [42.75, -91.37], 0.2 NNW LITTLEPORT [42.75, -91.37], 0.3 WNW LITTLEPORT [42.75, -91.37]				
	03/11/10 00:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/12/10 23:00 CST		0	Source: River/Stream Gage

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The Volga River at Littleport, IA rose above the flood stage of 12 feet on March 11th, and crested at 2:45 a.m. on March 12th at 13.58 feet. The river dropped below flood stage later in the day on March 12th.				
Only minor flooding was observed as the river rose above flood stage with no damage reported.				
CLAYTON COUNTY --- 0.5 SSW ELKADER [42.84, -91.41], 0.5 SSW ELKADER [42.84, -91.40], 0.6 S ELKADER [42.84, -91.40], 0.6 SSE ELKADER [42.84, -91.39], 0.5 SSE ELKADER [42.84, -91.40], 0.5 S ELKADER [42.84, -91.40], 0.4 SSW ELKADER [42.84, -91.40], 0.4 SSW ELKADER [42.84, -91.40]				
	03/11/10 08:30 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/14/10 11:30 CST		0	Source: River/Stream Gage

The Turkey River near Elkader rose above the flood stage of 12 feet on the morning of March 11th. It crested at 14.42 feet on March 12th around 10:00 p.m., before falling back below flood stage around noon on March 14th.

Only minor flooding was observed as the river rose above flood stage, with no damage reported.

CLAYTON COUNTY --- 0.5 N GARBER [42.74, -91.27], 0.7 NE GARBER [42.74, -91.26], 1.3 NE GARBER [42.74, -91.25], 1.1 NNE GARBER [42.74, -91.26], 0.8 NNE GARBER [42.74, -91.26], 0.8 N GARBER [42.74, -91.27], 0.7 N GARBER [42.74, -91.27]				
	03/11/10 13:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/13/10 19:00 CST		0	Source: River/Stream Gage

The Turkey River near Garber rose above the flood stage of 17 feet during the early afternoon hours on March 11th. It crested at 19.72 feet on the morning of March 12th around 8:15 a.m., before falling back below flood stage on the evening of March 13th.

Only minor flooding was observed as the river rose above flood stage, with no damage reported.

MITCHELL COUNTY --- 3.6 NNW OTRANTO [43.50, -93.02], 4.0 ENE BAILEY [43.50, -92.55], 6.7 SE NEW HAVEN [43.21, -92.55], 4.9 WSW MEROA [43.21, -93.02]				
	03/11/10 19:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/13/10 01:00 CST		0	Source: Broadcast Media

Minor flooding of low lying areas across portions of Mitchell county, as well as along the Cedar River and other small streams and creeks, occurred from the evening of March 11th through the early morning hours of March 13th. Local campgrounds and RV parks, including the Otranto, Stacyville, Interstate and Halverson parks along the Cedar River observed flooding. Also, the intersection of Highways 219 and 9, east of Osage was closed for a time on the evening of March 12th, due to water over-top of the road.

Ice jams were reported along the Cedar River, which swept trees, shrubs, grass and some trash downstream. For a time, there was concern for the safety of the Mitchell dam near the city of Mitchell. No damage was reported with the ice jams however.

CHICKASAW COUNTY --- 0.9 SSW BASSETT [43.06, -92.54], 1.5 NNW CHICKASAW [43.05, -92.51], 1.0 SSW CHICKASAW [43.02, -92.51], 0.9 S CHICKASAW [43.02, -92.50], 1.6 N CHICKASAW [43.05, -92.49], 0.4 SSE BASSETT [43.07, -92.53]				
	03/11/10 23:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/14/10 18:00 CST		0	Source: River/Stream Gage

The Little Cedar River near Ionia rose above the flood stage of 10 feet on the evening of March 12th. The river crested at 13.16 feet around 6:00 a.m. on the morning of March 13th. It then fell back below flood stage between 5:00 p.m. and 6:00 p.m. on March 14th.

Only minor flooding was observed as the river rose above flood stage and no damage was reported.

FLOYD COUNTY --- 0.6 E CHARLES CITY [43.07, -92.69], 1.8 SSW WALLER [43.06, -92.67], 1.9 SE CHARLES CITY [43.05, -92.67], 2.3 S WALLER [43.05, -92.66], 2.0 S WALLER [43.05, -92.66], 1.6 SSW WALLER [43.06, -92.66], 0.8 E CHARLES CITY [43.07, -92.68], 0.9 ENE CHARLES CITY [43.07, -92.68]				
	03/12/10 09:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/16/10 16:00 CST		0	Source: River/Stream Gage

The Cedar River at Charles City rose above the flood stage of 12 feet on the morning of March 12th. The river crested at 14.2 feet around 1:00 p.m. on March 15th. The river then fell back below flood stage around 4:00 p.m. on March 16th.

Ice Jams were noted along the river, washing large chunks of ice into Bayou Bend Park. Also, the intersection of Riverside Drive and Illinois Avenue was closed for a time as flood waters flowed over it.

Warm temperatures across the area caused a quick release of snowpack melt water, which brought about rises along several of the tributaries of the Mississippi River. Also, rainfall amounts up to an inch and a half fell over much of the area from the 9th through the 13th, which added to the rising water. For instance, New Hampton (Chickasaw County) received 1.31 inches, Elma (Howard County) received 1.06 inches, and Osage (Mitchell County) received 1.44 inches. Minor flooding did occur along several rivers and creeks in

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northeast Iowa, however due to the time of year with no crops in the ground, damage was minimal. There was however damage to roads across Chickasaw county as low land flooding caused water-covered roads as well as blocked and damaged culverts causing road closures and damage.

MINNESOTA, Southeast

(MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z094) MOWER, (MN-Z095) FILLMORE

03/08/10 01:00 CST	0	Dense Fog
03/13/10 12:00 CST	0	

Dense fog was observed periodically across much of southeast Minnesota from the morning of March 8th through the morning of March 12th, with visibilities of zero to one quarter of a mile. After a day of better conditions, dense fog again formed during the early morning hours of March 13th and persisted through noon that day. Although dense fog wasn't continuous through this entire time frame, fog was observed throughout much of this time as visibilities varied from zero to two miles.

No accidents or damage were recorded during this extended period of fog.

MOWER COUNTY --- 0.7 NW AUSTIN [43.68, -92.94], 0.8 NW AUSTIN [43.68, -92.94], 0.8 WNW AUSTIN [43.68, -92.94], 0.8 WNW AUSTIN [43.68, -92.94], 0.7 NW AUSTIN [43.68, -92.94], 0.6 NW AUSTIN [43.68, -92.94], 0.6 NW AUSTIN [43.68, -92.94], 0.6 NNW AUSTIN [43.68, -92.94]

03/11/10 22:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
03/12/10 03:15 CST	0	Source: River/Stream Gage

Dobbins Creek on the east side of Austin rose over the flood stage of 11.5 feet the evening of March 11th. It crested at 10:25 p.m. on March 11th at 11.6 feet, before falling back below flood stage during the early morning hours of March 12th.

Minor flooding occurred during the time when the creek was above flood stage, however no damage was reported.

HOUSTON COUNTY --- 1.4 WSW HOKAH [43.76, -91.36], 1.1 WSW HOKAH [43.76, -91.35], 0.8 WSW HOKAH [43.77, -91.34], 0.3 WSW HOKAH [43.77, -91.34], 0.4 W HOKAH [43.77, -91.34], 0.8 WSW HOKAH [43.77, -91.35], 1.1 WSW HOKAH [43.77, -91.35], 1.3 WSW HOKAH [43.77, -91.36]

03/13/10 00:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
03/15/10 12:00 CST	0	Source: River/Stream Gage

The Root River near Hokah rose above the flood stage of 47 feet on March 13th. It crested at 48.10 feet at 7:00 a.m. on March 14th, then fell below flood stage on March 15th.

Only minor flooding was observed while the river level was above flood stage, with no damage reported.

MOWER COUNTY --- 3.2 W MAPLEVIEW [43.69, -93.04], 2.8 W MAPLEVIEW [43.68, -93.03], 2.6 W MAPLEVIEW [43.68, -93.03], 2.8 W MAPLEVIEW [43.68, -93.04], 2.9 W MAPLEVIEW [43.68, -93.04], 3.3 W MAPLEVIEW [43.69, -93.05]

03/14/10 15:15 CST	0	Flood (due to Heavy Rain / Snow Melt)
03/16/10 14:45 CST	0	Source: River/Stream Gage

Turtle Creek, just northwest of Austin, rose above the flood stage of 10.5 feet on the afternoon of March 14th. It crested at 11.68 feet at 1:15 p.m. on March 15th, then fell below flood stage early in the afternoon on March 16th.

Only minor flooding was observed while the river level was above flood stage, with no damage reported.

Warm temperatures across southeast Minnesota during the second week of March caused a quick release of snowpack melt water. This brought about rises along area rivers, streams, and creeks. Rainfall amounts of three quarters of an inch to nine tenths of an inch fell across much of southeast Minnesota between the 9th and 11th, which added to the runoff, further increasing the rises along the rivers.

WABASHA COUNTY --- 0.6 E READS LNDG [44.40, -92.07], 1.2 NW WABASHA [44.39, -92.05], 0.6 NW WABASHA [44.39, -92.04], 0.8 ESE WABASHA [44.38, -92.02], 2.8 NE WABASHA [44.40, -91.99], 3.3 N WABASHA [44.43, -92.02], 2.4 N READS LNDG [44.44, -92.08]

03/22/10 10:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
03/31/10 18:00 CST	0	Source: River/Stream Gage

The Mississippi River at Wabasha rose above the flood stage of 12 feet at 10:00 a.m. on March 22nd. It crested at 12.81 feet at 10:00 a.m. on March 26th, then fell below flood stage at 6:00 p.m. on March 31st.

Spring snowmelt runoff from upstream across northern and central Minnesota caused the Mississippi River in the Wabasha area to rise above flood stage.

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Only minor flooding was observed while the river level was above flood stage, with no damage reported.

WISCONSIN, Southwest

(WI-Z017) TAYLOR, (WI-Z041) LA CROSSE, (WI-Z042) MONROE, (WI-Z043) JUNEAU, (WI-Z054) CRAWFORD, (WI-Z061) GRANT	03/08/10 01:00 CST	0	Dense Fog
	03/12/10 13:30 CST	0	

Fog was observed across much of western Wisconsin from the morning of March 8th through the early morning hours of March 12th. Fog was nearly continuous through these four days with visibilities staying below one or two miles, however, the majority of the time visibilities were at one half mile to one mile. There were periods throughout these days when dense fog, with visibilities of zero to a quarter mile, was observed.

No accidents or damage were recorded during this extended period of fog.